WHAT IS CLAIMED IS:

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- 1. An automatic ticket checking apparatus comprising:
- a first conveying mechanism for conveying a magnetic ticket in a first direction along a first passage way;

first ticket checking means for reading information recorded on a magnetic ticket and a wireless ticket and judging whether or not the information read by the first checking means is valid;

a second conveying mechanism arranged opposite side of the first conveying mechanism in the apparatus for conveying a magnetic ticket in a second direction opposing to the first direction along the first passageway and along a second passage way in parrallele with the first passage way; and

second ticket checking means for reading information recorded on a magnetic ticket and a wireless ticket and judging whether or not the information read by the second checking means is valid.

- 2. An automatic ticket checking apparatus according to claim 1, wherein
- 25 the first conveying mechanism conveys the magnetic ticket in the first direction from one end to

about a center of the apparatus along the passage way and ejects the magnetic ticket at almost the center, and

the second conveying mechanism conveys the

magnetic ticket in the second direction from the other end to about a center of the apparatus along the passage way and ejects the magnetic ticket at almost the center.

3. An automatic ticket checking apparatus according to claim 2, wherein

the first conveying mechanism is provided at the first passage way side of the apparatus, and

the second conveying mechanism is provided at the 15 second passage way side of the apparatus.

4. An automatic ticket checking apparatus according to claim 3, further comprising:

first receiving means provided at one end of the 20 apparatus for receiving a magnetic ticket;

first eject means provided at about the center of the apparatus for ejecting the magnetic ticket conveyed by the first conveying mechanism to about the center of the apparatus;

first reading means provided near one end of the apparatus for reading information recorded on a

wireless ticket;

second receiving means provided near the other end of the apparatus for receiving a magnetic ticket;

second eject means provided at about a center of the apparatus for ejecting the magnetic ticket conveyed by the second conveying mechanism to about the center of the apparatus; and

second reading means provided near the other end of the apparatus for reading the information recorded on a wireless ticket.

- 5. An automatic ticket checking apparatus according to claim 2, further comprising:
- a first cover configured to cover the first

 15 conveying mechanism from its one end to about the

 center along the passage way; and

a second cover, which is separated from the first cover, configured to cover the second conveying mechanism from its other end to about the center along the passage way.

6. An automatic ticket checking apparatus according to claim 5, wherein

the first cover is provided to open/close freely

25 without obstructing a user to pass the second passage
way in the second direction, and

the second cover is provided to open/close freely without obstructing a user to pass the first passage way in the first direction.

7. An automatic ticket checking apparatus according to claim 4, wherein

the first receiving means is provided at one end of the apparatus which is one-sided to the first passage side from the center line along the first passage way on the apparatus and

the second receiving means is provided at the other end of the apparatus which is one-sided to the second passage side from the center line along the first passage way on the apparatus.

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8. An automatic ticket checking apparatus according to claim 1, further comprising:

collecting means for collecting the magnetic tickets conveyed by the first and second conveying mechanism collectively.

9. An automatic ticket checking apparatus according to claim 8, wherein

the collecting means is configured to be able to 25 take out the collected magnetic tickets from either the first or the second passag side.

10. An automatic ticket checking apparatus according to claim 9, further comprising:

first holding means for temporarily holding the
magnetic tickets to be collected in the collecting
means out of the magnetic tickets conveyed by the
first conveying mechanism while the magnetic tickets
accommodated in the collecting means are taken out of
the second passage side; and

second holding means for temporarily holding the magnetic tickets to be collected in the collecting means out of the magnetic ticket conveyed by the second conveying mechanism while the magnetic tickets accommodated in the collecting means are taken out of the first passage side.

11. An automatic ticket checking apparatus according to claim 10, further comprising:

first prohibiting means for prohibiting the
20 acceptance of magnetic tickets when the magnetic
ticket holding capacity of the first holding means
reaches the saturated state; and

second prohibiting means for prohibiting the acceptance of magnetic tickets when the magnetic ticket holding capacity of the second holding means reaches the saturated state.

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12. An automatic ticket checking apparatus according to claim 5, further comprising:

control means for controlling the first and second ticket checking means to be maintained collectively; and

switching means for switching a maintenance object by the control means to the first ticket checking means when the first cover is opened, and switching a maintenance object by the control means to the second ticket checking means when the second cover is opened.

13. Automatic ticket checking apparatus according 15 to claim 12, further comprising:

designating means for accepting the selection and designation of a maintenance object by the control means.

20 14. An automatic ticket checking means according to claim 1, further comprising:

common display means for displaying a guidance relative to the process by the first and second ticket checking means.

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15. An automatic ticket checking apparatus

according to claim 14, wherein the common display means includes:

a first display to display a guidance relative to the process by the first ticket checking means; and

a second display to display a guidance relative to the process by the second ticket checking means;

wherein the first display is given with directivity so that the guidance displayed on the first display is not visible from a user who is going in the second direction, and the second display is given with directivity so that the guidance displayed on the second display is not visible from a user who is going in the first direction.

- 15 16. An automatic ticket checking apparatus according to claim 15, further comprising:
 - a first shading plate arranged at the first display so as to give prescribed directivity to the first display; and
 - a second shading plate arranged at the second display so as to give prescribed directivity to the second display.
 - 17. An automatic ticket checking apparatus 25 comprising:

first processing means for processing a magnetic

ticket restricted to one size;

second processing means for processing a wireless ticket in kinds differing from the magnetic tickets;

first ticket checking means for executing the ticket checking process based on the process by the first processing means; and

second ticket checking means for executing the ticket checking process based on the process by the second processing means.

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- 18. An automatic ticket checking apparatus according to claim 17, wherein the wireless ticket stores a long-distance ticket information which is approved to take a train for a long distance exceeding a prescribed distance.
- 19. An automatic ticket checking apparatus according to claim 17, further comprising:

setup means for selecting one of a first mode for 20 executing the first ticket checking means, a second mode for executing the second ticket checking means and a third mode for executing the first and second ticket checking modes jointly.

20. An automatic ticket checking apparatus according to claim 19, further comprising:

guidance display means for displaying the mode selected by the setting means to users.

21. An automatic ticket checking apparatus according to claim 17, further comprising:

fare adjustment requesting means for requesting the fare adjustment when a shortage of fare is known in the ticket checking process by the first and second processing means;

- fare adjustment means for makeing the fare adjustment for the fare shortage in response to the request for the fare adjustment by the fare adjustment requesting means when the data of amount of money is obtained at least one of the first and second processing means; and
 - third ticket checking means for executing the ticket checking process based on the result of fare adjustment by the fare adjustment means.
- 20 22. An automatic ticket checking apparatus according to claim 17, further comprising:

fare adjustment directing means for accepting the input of direction for the fare adjustment;

fare adjustment means for adjusting the shortage
25 of fare based on the data of amount of money when the
fare shortage is known in the ticket checking process

by the first and second ticket checking means, the fare adjustment is directed by the fare adjustment directing means and the data of amount of money is obtained from at least one of the first and second processing means; and

third ticket checking means for executing the ticket checking process based on the result of the fare adjustment by the fare adjustment means.

23. An automatic ticket checking apparatus comprising:

a main body;

first receiving means provided to the main body

for receiving using data from a first wireless ticket

which is carried by a first user who is passing along

a prescribed passage and recording the using data;

first judging means for judging a passing propriety of the first user based on the using data received by the first receiving means;

approving means for approving the passing of the first user when the passing is judged to be approved by the first judging means;

second receiving means provided to the main body for receiving using data from a second wireless ticket which is carried by a second user who is passing along a passage in the direction differing from the

prescribed passage and recording the using data;
second judging means for judging a passing
property of the second user based on the using data
received by the second receiving means;

- 5 third judging means for judging whether the second wireless ticket is the same as the first wireless ticket that is carried by the first user who was approved to pass by the approving means based on the using data received by the second receiving means;
- prohibiting means for prohibiting the execution of judging the passing property of the second user by the second judging means when the second wireless ticket is judged to be the same as the first wireless ticket by the third judging means; and
- control means for executing the judging a passing property of the second user by the second judging means when the second wireless ticket is judged differing from the first wireless ticket by the third judging means.

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24. An automatic ticket checking apparatus according to claim 23, further comprising:

means for receiving identification data inherent to each ticket recorded on the wireless ticket

25 therefrom; and

storage means for storing the identification data

of the received wireless tick t;

wherein the third judging means judges whether the second wireless ticket is the same as the first wireless ticket based on the identification data 5 stored in the storage means.

25. An automatic ticket checking apparatus according to claim 24, further comprising:

erasing means for erasing the identification data 10 from the storage means when a prescribed time passed after storing the identification data stored in the storage means.

26. An automatic ticket checking apparatus
15 comprising:

a main body;

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first wireless communication means provided to
the main body for wireless communicating with a first
wireless ticket that is carried by a first user who
passes along a prescribed passage;

first judging means for judging a passing propriety of the first user based on the result of the wireless communication with the first wireless ticket by the first communication means;

approving means for approving the passing of the first user when the passing is judged to be approved

by the first judging means;

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second wireless communication means provided to
the main body for wireless communicating with a second
wireless ticket that is carried by a second user who
passes along the passage in the direction differing
from the prescribed passage;

second judging means for judging whether the wireless ticket which is wireless communicated is the same as the first wireless ticket that is carried by the first user whose passing is approved by the approving means based on the wireless communication by the second wireless communication means:

prohibiting means for prohibiting the passing of
a user to the passage in the direction differing from
the prescribed passage when the second wireless ticket
is judged to be the same as the first wireless ticket
by the second judging means; and

third judging means for judging a passing propriety of the second user based on the result of the wireless communication with the second wireless ticket by the second wireless communication means when the second wireless ticket is not the same as the first wireless ticket by the second judging means.

27. An automatic ticket checking apparatus according to claim 26, further comprising:

canceling means for canceling the prohibition of passing by the prohibiting means;

passing propriety judging means for judging a passing propriety of a user based on the result of wireless communication which was made again with the second wireless ticket that was judged to be the same as the first wireless ticket by the second wireless communicating means after canceling the prohibition of passage by the canceling means; and

passing approving means for approving the passing of the second user when the passing is judged to be approved by the passing propriety judging means.

28. An automatic ticket checking apparatus
15 according to claim 26, further comprising:

means for receiving identification data inherent to every ticket stored in the wireless ticket therefrom; and

storage means for storing the received 20 identification data of the wireless ticket;

wherein the second judging means judges whether the wireless ticket with which communicated wirelessly is the first wireless ticket based on the identification data stored in the storage means.

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29. An automatic ticket checking apparatus

according to claim 28, further comprising:

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erasing means for erasing an identification data from the storage means when a prescribed time passed after the identification data stored in the storage means was stored therein.

30. An automatic ticket checking apparatus according to claim 29, further comprising:

canceling means for canceling the prohibition of the passing of the prohibiting means when the identification data is erased by the erasing means;

passing propriety judging means for judging a passing propriety of a user based on the result of wireless communication that was made again with the second ticket judged to be the same as the first wireless ticket by the second wireless communication means after canceling by the canceling means; and

passing approving means for approving the passing of the second user when the passing is to be approved by the passing propriety judging means.

31. An automatic ticket checking apparatus according to claim 26, wherein

the second judging means further judges whether 25 it is within a prescribed time from the wireless communication with the first wireless ticket by the

first wireless communication means; and

the prohibiting means prohibits a user carrying the wireless ticket to pass to the passage in the direction differing from the prescribed passage when judged to be within the prescribed time from the wireless communication with the first wireless ticket by the first wireless communication means.

32. An automatic ticket checking apparatus
10 according to claim 26, further comprising:

canceling means for canceling the prohibition of the passing by the prohibiting means after a prescribed time; and

second approving means for approving the passing

of a user preferentially to the cancellation of the passing prohibition by the canceling means when judged the passing is to be approval by the third judging means.

20 33. Automatic ticket checking apparatus comprising:

a main body;

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first wireless communicating means provided to
the main body for wireless communicating with a first

25 wireless ticket carried by a first user who is passing
along a prescribed passage;

first judging means for judging a passing propriety of the first user based on the result of wireless communication with the first wireless ticket by the first wireless communication means;

- second wireless communicating means provided to
 the main body for wireless communicating with a second
 wireless ticket carried by a second user who is
 passing along the passage in the direction different
 from the prescribed passage;
- approving means for approving the passing of the first user when the passing is judged to be approved by the first judging means;

storage means for storing data shown the first wireless ticket carried by the first user who is approved to pass by the approving means;

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second judging means for judging whether the second wireless ticket with which wirelessly communicated is the same as the first wireless ticket stored in the storage means based on the wireless communication by the second wireless communication means;

prohibiting means for prohibiting a user to pass
the passage in the direction differing from the
prescribed passage when the wireless ticket with which
wirelessly communicated by the second wireless
communicating means is judged to be the first wireless

ticket by the second judging means; and

control means for prohibiting the storing of the storage means when the second wireless communicating means is not making the wireless communication with a wireless ticket.

34. An automatic ticket checking apparatus comprising:

a main body;

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a first insert port provided at one side of the main body, into which a magnetic ticket is inserted by a user who is passing along a prescribed passage;

first insert prohibiting means for prohibiting the insert of the magnetic ticket into the first insert port;

first wireless communication means provided at one side of the main body likewise the first insert port for wireless communicating with a wireless ticket carried by a user passing along the prescribed passage;

second insert port provided at the other side of the main body, into which a magnetic ticket is inserted by a user who is passing along a passage differing from the prescribed passage;

second insert prohibiting means for prohibiting the insert of the magnetic ticket into the second

insert port;

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second wireless communication means provided at the other side of the main body likewise the second insert port for wireless communicating with a wireless ticket carried by a user who is passing along the different passage;

approving means for approving the passing of a user who is carrying a magnetic ticket or a wireless ticket based on using data recorded on the magnetic ticket inserted into the first or second insert port or the wireless ticket with which wireless communicated by the first or second wireless communication means;

control means for prohibiting the insert of a

15 magnetic ticket into the second insert port by driving the second insert prohibiting means and the wireless communication with a wireless ticket by the second wireless communication means when the magnetic ticket is inserted into the first insert port or the wireless ticket is wireless communicated by the second wireless communication means; and

cancellation means for canceling the prohibition of wireless communication of the second wireless communication means which was prohibited to make the wireless communication by the control means and after this cancellation, to cancel the prohibition of the

insert of a magnetic ticket into the second insert port by driving the second insert prohibiting means when the passing of a user is approved by the approving means based on the using data of the magnetic ticket inserted into the first insert port or a wireless ticket with the wireless communicated by the first wireless communication means.

- 35. A ticket checking method of an automatic

 ticket checking apparatus with a first insert port and
 first wireless communicating means provided at one
 side of a main body and a second insert port and a
 second communicating means at the other side of the
 main body, comprising the steps of:
- prohibiting the insert of a magnetic ticket into
 the second insert port by a user who is passing along
 a passage differing from a prescribed passage and
 prohibiting the wireless communication with a wireless
 ticket carried by a user who is passing along the
 different passage by the second wireless communicating
 means when a magnetic ticket is inserted into the
 first insert port by a user who is passing along the
 prescribed passage or a wireless ticket carried by a
 user who is passing along the prescribed passage by
 the first wireless communication means;

reading using data recorded on the magnetic

ticket inserted into the first insert port or the wireless ticket with which wireless communicated by the first wireless communication means;

approving the passing of users who are carrying respective tickets based on the read using data;

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canceling the prohibition of the wireless communication by the second wireless communicating means which was prohibited to make the wireless communication after approving the passing of a user carrying a ticket; and

canceling the prohibition of the insert of a magnetic ticket into the second insert port after canceling the wireless communication.

36. A radio communication equipment comprising:

a main body;

first receiving means provided to the main body and receives using data from a first radio equipment which records using data and is carried by a first user who is passing along a prescribed passage;

first judging means for judging a passing of the first user based on the using data received by the first receiving means;

approving means for approving the passing of the 25 first user when the passing is approval by the first judging means;

second receiving means for receiving using data from a second radio equipment which records the using data and is carried by a second user who is passing along the passage in the direction differing from the prescribed passage;

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second judging means for judging a passing of the second user based on the using data received by the second receiving means;

third judging means for judging whether the

10 second radio equipment is the same as the first radio
equipment carried by the first user who is approved
for the passing by the approving means based on the
using data received by the second receiving means;

prohibiting means for prohibiting the execution

15 of judging the passing propriety by the second judging means; and

control means for making the judgement of the passing propriety when the third judging means judged that the second radio equipment is not the same as the first radio equipment.